

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. May cause eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating or smoking. Do not use on crops used for food, forage or pasture.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center. Do not induce vomiting because of aspiration hazard.
If on Skin: Wash thoroughly with soap and water.
If in Eyes: Flush with plenty of water. Get medical attention if irritation persists.
Note to Physician: Chlorpyrifos is a cholinesterase inhibitor. Atropine by injection is antidotal only if symptoms of cholinesterase inhibition are present. 2-PAM is also antidotal when given in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Shrimp, crab and fish may be killed at application rates recommended on this label. Do not apply to lakes, streams or ponds where these are considered important resources. Consult your State Fish and Game Department before using this product. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

PHYSICAL AND CHEMICAL HAZARDS

Do not store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

CONDITIONS and RATES to USE for MOSQUITO CONTROL

Amount to Use Per Acre	Number Acres 1 gallon of MOSQUITOCIDE Will Treat
Larval	
1.6 to 3.2	0.025 to 0.05
80 to 40	
Adult-Vegetative cover Ground U.L.V.	
Light to Heavy	
0.06 to 1.6	0.01 to 0.025
194 to 80	
Adult-Aerial M.L.V.	
1.6 to 3.2	0.025 to 0.05
80 to 40	
Adult-Vegetative cover Coarse area spray	
Light to medium	
1.5	0.025
80	
Medium to heavy	
3.2	0.05
40	

Area to be Treated
Catch basins 0.08 fl. oz. per basin

Use Directions:
Dilute 4 fl. oz. of MOSQUITOCIDE in 3 gallons of water to make a 0.25% chlorpyrifos spray and apply 1/2 pint of the mixture per catch basin as a coarse, low pressure spray. Uniformly cover the exposed walls (sides) of the basin and the water surface.

Use Directions:
Dilute 16 fl. oz. of MOSQUITOCIDE in 3 gallons of water to make a 1% chlorpyrifos mixture. Apply as a coarse spray. Be sure to cover on the exposed area of pile.

CLARKE® Dursban® MOSQUITOCIDE

ACTIVE INGREDIENT

Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl)phosphorothioate]	25.32
Aromatic petroleum solvent	15.88
INERT INGREDIENTS	53.80
	100.00%

TO BE APPLIED ONLY BY OR UNDER THE SUPERVISION OF PUBLIC HEALTH ORGANIZATIONS, MOSQUITO ABATEMENT DISTRICTS OR CERTIFIED PEST CONTROL APPLICATORS

KEEP OUT OF REACH OF CHILDREN WARNING

with COMMENTS: MAY BE HARMFUL IF SWALLOWED OR INHALED
Letter Date MAY CAUSE IRRITATION

APR 8 1983 Avoid breathing of mist
APR 8 1983 Avoid contact with skin or eyes. In case of contact, flush skin or eyes with plenty of water thoroughly after handling.

Do not contaminate food or feed products
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MANUFACTURED BY

CLARKE OUTDOOR SPRAYING CO., INC.
159 N. GARDEN AVENUE
ROSELLE, ILLINOIS 60172

E.P.A. EST. No. 8329IL01
E.P.A. Reg. No. 8329-

NET CONTENTS

NOTICE: Seller makes no warranty, expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when use and/or handling is contrary to label instructions.

DURSBAN® Trademark of The Dow Chemical Co

RECOMMENDED FOR AREA CONTROL OF MOSQUITO LARVAE AND ADULTS

CLARKE'S MOSQUITOCIDE is formulated for larval and adult mosquito control in residential, recreational and other non-cropland areas. MOSQUITOCIDE should be applied at a rate of 0.125 lb. actual insecticide per acre for larval control in light to medium vegetative cover and 0.05 lb. actual insecticide per acre in medium to heavy vegetative cover. For larval control MOSQUITOCIDE should be put into a solution with water and applied by hand (e.g., backpack (such as the Kioritz DM 9) helicopter or fixed wing aircraft. For adult control, MOSQUITOCIDE should be applied undiluted from standard ULV equipment such as the Tech HD aerosol generator or by backpack such as the Kioritz DM 9. Application should be done at 10 MPH from truck mounted machines at a flow rate of four (4) fluid ounces per minute. Aerial applications should be done by suitable aerial ULV equipment at an altitude of 300 ft. and a forward speed of 150 miles per hour, achieving an effective swath width of 500 ft. Flow rate should be set at 484 fluid ounces per minute to achieve a dosage rate of 0.05 pounds of active ingredient per acre (3.2 fluid ounces of MOSQUITOCIDE) U.L.V. non-thermal aerosol (cold fog) should be allowed to drift through non-crop target areas on breeze of 2 to 10 MPH. This will achieve a rate of 66 fluid ounces per acre or 0.1 pounds of chlorpyrifos based on effective swath width of 300 ft. MOSQUITOCIDE may also be applied as an area spray for control of adult mosquitoes by backpack or mist blower. The higher dosage rates of 0.025 to 0.05 pounds of active ingredient per acre found on the label under coarse spray should be used for this application. Repeat application as determined by mosquito populations.

Directions for Determining the Droplet Size and MMD of U.L.V. Nonthermal Aerosols Using CLARKE Dursban® MOSQUITOCIDE: Collect droplets for measurement using glass microscope slides (1 x 3 inches) coated with silicone (General Electric SC-87 Dr. Film). To prepare the slides, dip in a solution of one part silicone to 9 parts of acetone, allow to dry, polish with lint free paper tissue, and store in a tight slide box. To collect droplets, wave the treated slides through the aerosol cloud at a distance of 6 feet from the point of discharge, holding the slides perpendicular to the path of aerosol movement. Collect droplets on at least 2 slides and store in a tight slide box until measurements can be made. Determine droplet size and calculate MMD by the following steps:

- Using a microscope with an eyepiece micrometer and 450x magnification, measure the diameter (D) in eyepiece divisions, of 100 impinged droplets on each slide.
- Tabulate the number of droplets (N) falling within each size category (as measured in eyepiece divisions).
- Multiply D x N for each size category.
- Divide D x N for each size category by the sum of the products of D x N, i.e. $\Sigma (D \times N)$. The values obtained are the percent that each size category represents of the total.
- Determine the accumulative percentage for each size category by accumulative addition of the percentage values calculated in Step 4, starting with the smallest size category.
- Determine the size category that most closely corresponds to an accumulative percentage of 50%. This value is the approximate MMD in eyepiece divisions.
- Convert the above MMD to microns by determining the number of microns in one eyepiece division using a stage micrometer and multiplying this value by the estimated MMD in eyepiece divisions (Step 6).
- The MMD determined in Step 7 must then be corrected for spread of the droplets on the slides by multiplying by 0.49 (the spread factor). The value thus calculated is the true MMD in microns.

Note: Measure droplet size and determine MMD when the aerosol generator is first installed, after any modifications or adjustment, and after every 50 hours of operation.

STORAGE AND DISPOSAL

- PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.
- PESTICIDE DISPOSAL:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures.
- CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer recycling or reconditioning, or dispose of in a sanitary landfill, or by other approved state and local procedures.
- GENERAL:** Consult Federal, State or local disposal authorities for approved alternative procedures.

LEFT SIDE PANEL

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals:

WARNING: Harmful if swallowed. Avoid breathing of dust or spray. Avoid contact. Wash thoroughly after handling. Wash hands and face before eating or smoking. Take shower or bath after work. Use protective clothing (long pants, long sleeve shirts, gloves and boots) during mixing and loading. Change to clean clothing daily. Do not feed treated foliage fruit or pods to dairy animals or animals being finished for slaughter.

ANTIDOTE: If swallowed give emetic in warm water. Wash from skin with soap and water; for eyes get medical attention.

NOTE TO PHYSICIAN: Carbaryl is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal.

Environmental Hazards

Toxic to fish. Keep out of any body of water. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Do not store near or contaminate feed or foodstuffs. Do not reuse container. Destroy by burying with waste or burning. Stay out of smoke and fumes.

HOW TO USE

GOOD-LIFE TOMATO AND VEGETABLE DUST OR SPRAY

This product may be used as either a Dust or Spray. Apply thoroughly to upper and lower surfaces of all foliage. Protects plants from early insect and disease damage. Repeat at 7 to 10 day intervals or as necessary.

DUST: Dust plants covering leaves evenly and lightly. Apply when air is still and plants are dry. Best coverage is obtained by use of a good dust gun. Commercial use - use 20 lbs. per acre but do not exceed this amount.

SPRAY: Keep agitated while spraying. Apply thoroughly as a wetting mist with either a pressure or hand type sprayer. Apply at the rate of 20 lbs. per 100 gal. of water per acre or 12 tablespoons (3 oz.) to 1 gal. of water.

LEFT SIDE PANEL CONTINUED & RIGHT SIDE BEGINS WHEREVER APPROPRIATE

Where cabbage looper is the principal problem, use an alternative pesticide specifically recommended for it. For the control of small cabbage loopers after edible parts start to form, apply at 5 to 7 day intervals.

CROPS	INSECTS AND DISEASES	RESTRICTIONS
Asparagus	Asparagus beetles, Rust.	POST HARVEST. DO NOT REPEAT WITHIN 3 DAYS.
Beans (Field, Lima, Snap) Peas	Bean leaf beetle, Bean leaf roller, Flea beetles, Japanese beetle, Leafhoppers, Armyworms, Corn earworm, Cutworms, Anthracnose, Downy mildew, Rust.	DO NOT APPLY WITHIN 7 DAYS OF HARVEST ON BEANS. 10 DAYS ON PEAS.
Broccoli, Brussels Sprouts Cabbage, Cauliflower	Flea beetles, Harlequin bug, Armyworms, Cabbage looper, Corn earworm, Imported cabbageworm, Stink bugs, Tarnished plant bug, Downy mildew, Leaf spots.	DO NOT APPLY WITHIN 5 DAYS OF HARVEST.
Cucumbers, Melons, Squash Pumpkins	Cucumber beetles, Leafhoppers, Squash bugs, Alternaria blight, Angular leaf spot, Anthracnose, Blossom blight, Downy mildew, Gummy stem blight.	DO NOT APPLY WITHIN 5 DAYS OF HARVEST. TO AVOID POSSIBLE INJURY TO TENDER FOLIAGE, DO NOT APPLY WHEN RAIN IS EXPECTED DURING THE NEXT TWO DAYS.
Tomatoes, Peppers, Eggplant	European corn borer, Fall armyworm, Lace bugs, Stink bugs, Tomato fruitworm, Tomato hornworm, Cutworms, Anthracnose, Early and Late blights.	DO NOT APPLY WITHIN 5 DAYS OF HARVEST ON TOMATOES.
Lettuce, Kale, Spinach	Flea beetles, Harlequin bugs, Leafhoppers, Downy mildew, Leaf spots.	DO NOT APPLY WITHIN 3 DAYS OF HARVEST ON HEAD LETTUCE; WITHIN 14 DAYS ON LEAF LETTUCE, KALE, AND SPINACH.
Beets, Carrots	Flea beetles, Leafhoppers, Early and late blights, Downy mildew, Leaf spots.	DO NOT APPLY WITHIN 3 DAYS OF HARVEST ON ROOTS; WITHIN 14 DAYS OF HARVEST IF TOPS ARE TO BE USED FOR FOOD OR FEED.

This container is sold by weight and not by volume. If it does not appear full when opened, it is because contents have settled during shipping and handling.

NOTICE: Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

100-1000-1000-1000

LEFT SIDE PANEL CONTINUED & RIGHT SIDE BEGINS WHEREVER APPROPRIATE

Manufactured by
GOOD-LIFE, INC.
GOOD-LIFE Drive
P.O. Box 687
Effingham, IL 62401

NET CONTENTS _____

300 91967
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Good-Life, Inc.
One Good-Life Drive
P.O. Box 627
Effingham, IL 62401

Attention: Mr. W. K. Walker

Gentlemen:


Subject: Good-Life Tomato and Vegetable Dust or Spray
EPA Registration No. 4931-133
Your Letter Dated February 7, 1983

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted.

1. In the Environmental Hazard Statement change "Keep...water" to "Do not apply directly to water."
2. Revise Storage and Disposal Statement to read "Do not reuse empty container (bottle, can, bucket). Wrap (container) and put in trash collection."

A stamped copy of the label is enclosed for your records

Sincerely yours,


Henry M. Jacoby
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

TS-767:Jacobys:DCR-03292:WANG-3006C:LM:Raven:479-2013:3/11/83

CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							

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